

ABSTRACT

The fire-rated recessed downlight includes a mantle, and a light fixture which is fixed in the mantle, said mantle having at least one radiating hole, in which a dilatable fireproof piece is fixed. The radiating hole is connected with outside of the mantle through a radiating aperture. The radiating hole of the mantle and the dilatable fireproof piece could help to radiate the heat in ordinary situations and the dilatable fireproof piece will expand rapidly to close the radiating hole when on fire, therefore the fire inside the mantle will not spread to the outside.